

Title (en)
Device comprising a support structure and a rotating shaft and wind turbine

Title (de)
Vorrichtung mit einer Stützstruktur und einem Drehschaft und Windturbine

Title (fr)
Dispositif comportant une structure de support, un arbre rotatif et une éolienne

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Application
EP 08004588 A 20080312

Priority
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Abstract (en)
The invention concerns a device comprising a support structure (11, 40) and a rotating shaft (10, 36) having a centre axis (A) which rotating shaft (10, 36) and support structure (11, 40) are pivotable supported against each other by means of at least one hydrodynamic rotary bearing (16, 43, 44) comprising a first bearing part (17) and a second bearing part (19) pivotable relatively to each other, a lubricant (21) as well as a contact zone (20) between the first bearing part (17) and the second bearing part (19) at least when the hydrodynamic rotary bearing (16, 43, 44) is at rest, wherein the rotating shaft (10, 36) and the support structure (11, 40) are shaped in such a way and the hydrodynamic rotary bearing (16, 43, 44) is in such a way arranged on the rotating shaft (10, 36) and the support structure (11, 40) that the contact zone (20) of the hydrodynamic rotary bearing (16, 43, 44) is submerged in the lubricant (21) even when the hydrodynamic rotary bearing (16, 43, 44) is at rest.

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Citation (applicant)
US 6781276 B1 20040824 - STIESDAL HENRIK [DK], et al

Citation (search report)
• [XY] FR 786915 A 19350914 - CEM COMP ELECTRO MEC
• [Y] EP 1641102 A1 20060329 - GEN ELECTRIC [US]
• [DA] US 6781276 B1 20040824 - STIESDAL HENRIK [DK], et al
• [A] GB 1161895 A 19690820 - MITSUBISHI HEAVY IND LTD [JP]
• [A] RASMUSSEN P ET AL: "MULTIPOLE, PERMANENT MAGNET GENERATOR STUDIES AND PLANNED PROTOTYPES", EUROPEAN COMMUNITY WIND ENERGY CONFERENCE, XX, XX, 1 January 1993 (1993-01-01), pages 643 - 650, XP000606076

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WO2012034567A1; US11073137B2; US8734105B2; WO2012034568A1; US8727728B2

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